

With all the Development, Where's the Water?

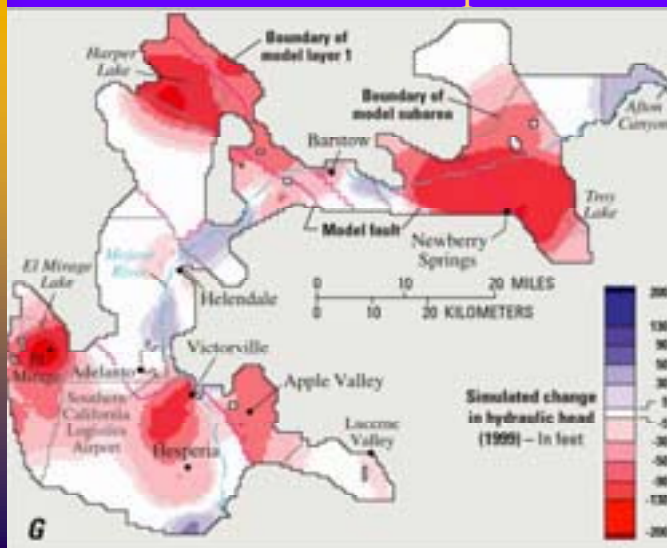
Presentation to the
Southern California
Association of
Governments

Kirby Brill
General Manager
Mojave Water Agency



February 10, 2005

First some background: Historic reliance on groundwater has caused water levels to drop as much as 200 feet in some places



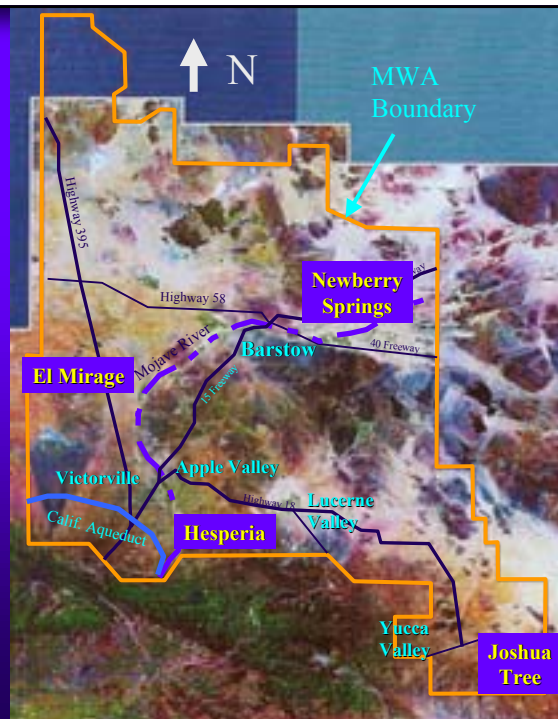
So
where
do we
start?...

...LEADERSHIP



Then, the Mission

Manage the region's water resources for the common benefit to assure stability in the sustained use by the citizens we serve





In response to state-wide pressures, legislators now emphasize link between growth and “good” water management

- ◆ SB 610 and SB 221 strengthen ties between water and development
 - “intent of the legislature is to strengthen the process...to determine the adequacy of existing and planned water supplies to meet future demands”
 - Requires “proof” of water for significant development
- ◆ Both require assessment from cities or counties
- ◆ Challenges to new growth using SB221/610 and other water planning mechanisms are emerging
 - Newhall Ranch etc.

State and local objectives can be met by developing and executing a “regional” plan

- ◆ MWA has embarked on a Regional Water Management Plan Update
 - Population & water demand projections
 - Stakeholder needs and issues
 - Facilities needed to replenish ground water supplies
 - Revenue alternatives to support plan
- ◆ Regional water management plan is a long-term **roadmap** for managing water resources throughout the MWA service area
- ◆ Plan will serve as a benchmark for SB 221/610
- ◆ Community input will ensure success of plan



We can't do it without the help of our community (Technical Advisory Committee)

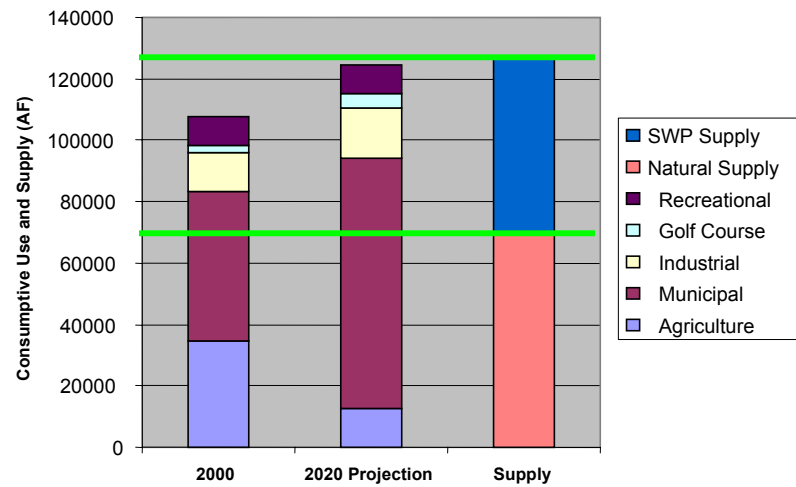
- ◆ Apple Valley Ranchos
- ◆ Baldy Mesa Water District
- ◆ Bar-H Mutual Water Company
- ◆ Bighorn Desert View Water Agency
- ◆ California Department of Fish & Game
- ◆ Citizens for a Better Community
- ◆ City of Barstow
- ◆ City of Hesperia
- ◆ City of Victorville
- ◆ County of San Bernardino Special Districts
- ◆ Department of Water Resources
- ◆ Hi-Desert Water District
- ◆ Jess Ranch
- ◆ Joshua Basin Water District
- ◆ Jubilee Mutual Water Company
- ◆ Lahontan Regional Water Quality Control Board
- ◆ Mariana Ranchos County Water District
- ◆ Spring Valley Lakes Association
- ◆ Town of Apple Valley
- ◆ Victor Valley Wastewater Reclamation Authority
- ◆ Victor Valley Water District
- ◆ *In addition, approximately 20 individual participants

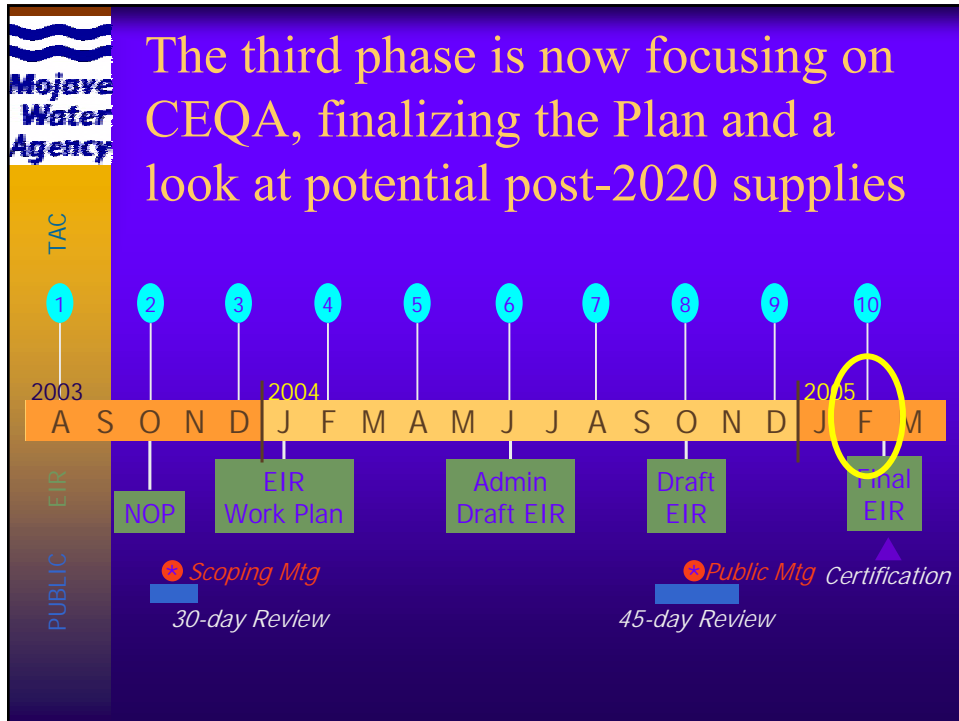


The TAC help to develop Fundamental Objectives for the Plan

The objectives of the Mojave Water Agency Regional Water Management Plan through 2020 are to:

- Balance future water demands with available supplies
- Maximize the overall beneficial use of water throughout the Mojave Water Agency





Mojave Water Agency

The RWMP will serve as 3 types of planning documents...

- ◆ Groundwater Management Plan (GMP)
 - Basin management objectives
 - Public involvement
 - Monitoring protocols
- ◆ Integrated Water Resource Plan (IWRP)
 - Conservation/Reclamation
 - Riparian and wetland areas – habitat protection
 - Floodwater management
- ◆ Urban Water Management Plan (UWMP)
 - Supply:Demand balance and forecasts
 - Multiple dry year shortage contingency plan
 - Water conservation measures
 - Wastewater recycling

...and will be compliant with new legislation requiring or encouraging regional planning

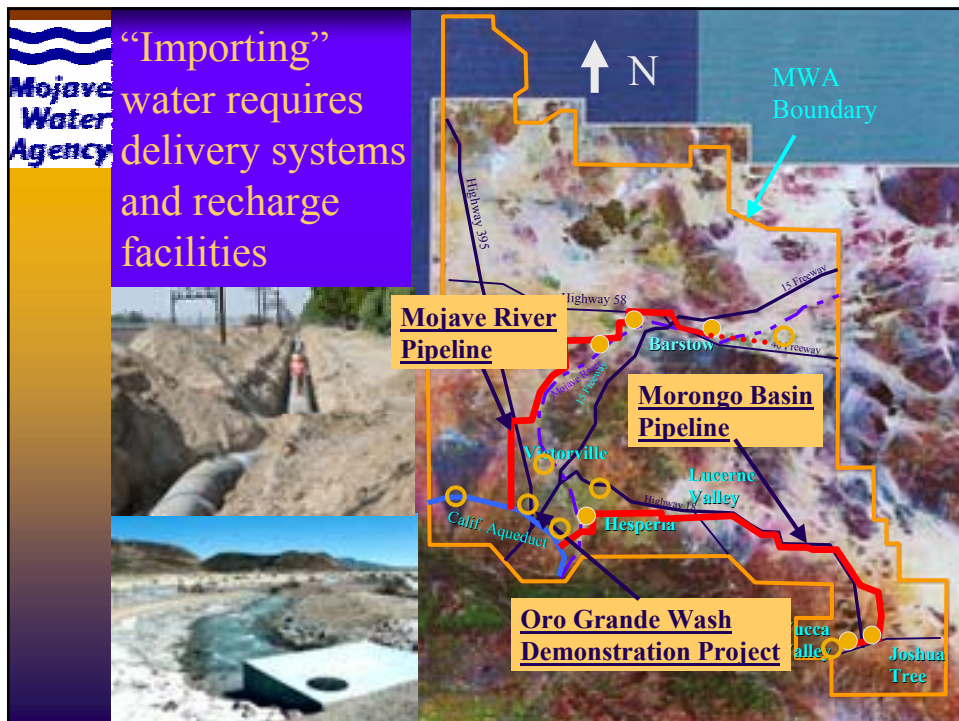
- ◆ SB1938 requires that agencies seeking state groundwater funds prepare and implement a groundwater management plan (GMP)
- ◆ SB 1672 gives preferences to projects under a IRMP pursuant to Prop 50 Chapter 8 (\$500M)

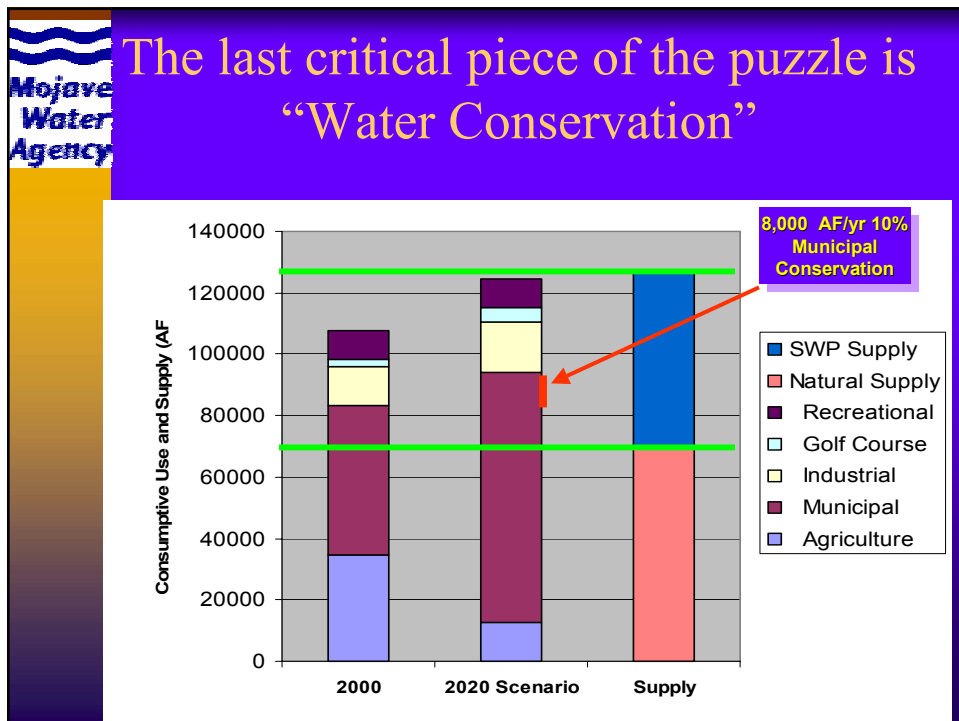
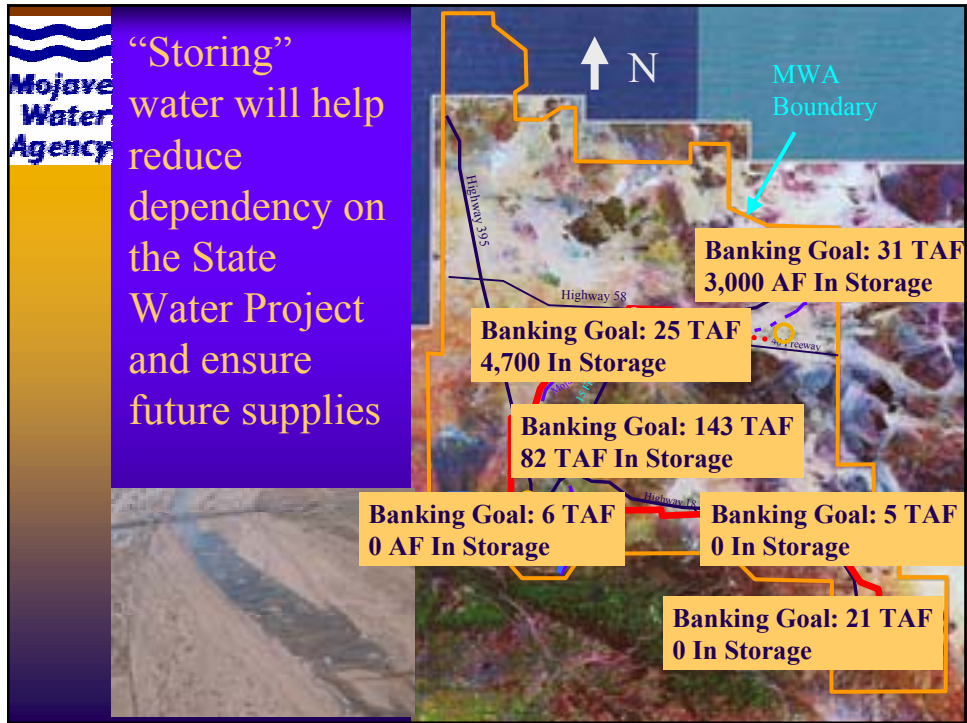
So...what do we need do?

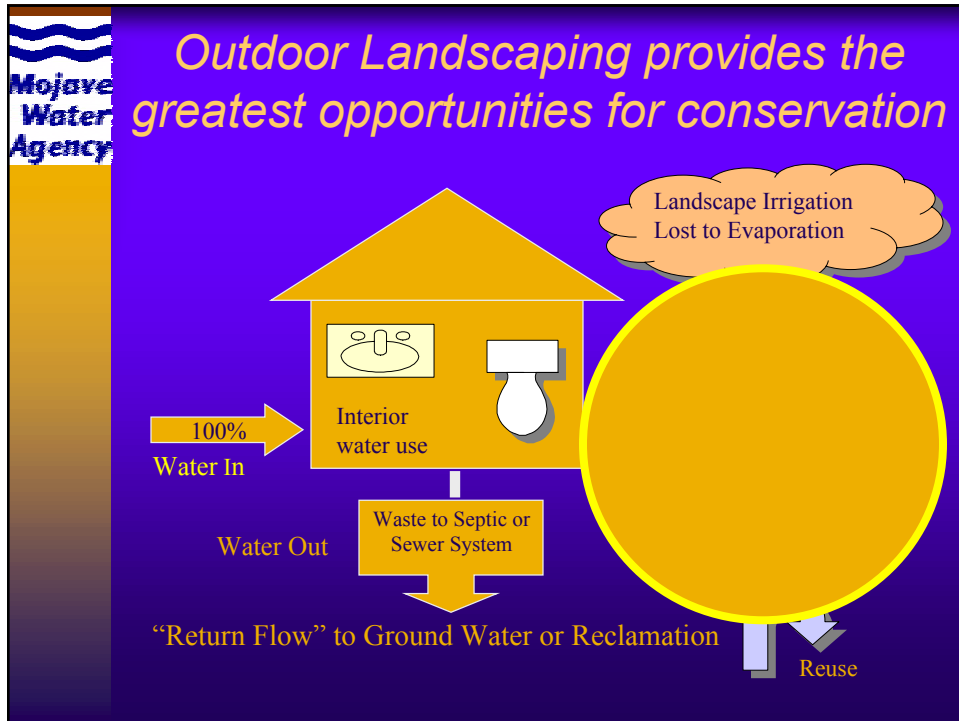
- ◆ Understand
- ◆ Import
- ◆ Store
- ◆ Conserve



“Understanding” means knowing how aquifers interact and how they respond to pumping stresses and natural and artificial recharge







Mojave Water Agency

There is a lot we can do as a community...it requires us to rethink how we can make our desert beautiful

Alliance for Water Awareness and Conservation

A GUIDE TO
HIGH DESERT LANDSCAPING

A collage of images related to desert landscaping, including a desert landscape with mountains, a close-up of a yellow flower, and a close-up of a pink flower.

Participating AWAC Agencies

- City of Adelanto
- Town of Apple Valley
- City of Barstow
- City of Hesperia
- City of Victorville
- Town of Yucca Valley
- Apple Valley Ranchos Water Company
- Baldy Mesa Water District
- Bighorn-Desert View Water Agency
- Hi-Desert Water District
- Joshua Basin Water District
- Mojave Water Agency
- San Bernardino County Service Area
- Southern California Water Company
- ♦ Victor Valley Water District
- ♦ Barstow College
- ♦ Copper Mountain College
- ♦ Victor Valley College
- ♦ Apple Valley Country Club
- ♦ Bureau of Land Management
- ♦ Bureau of Reclamation
- ♦ Mojave Desert & Mountain Integrated Waste Management JPA
- ♦ Mojave Desert Resource Conservation District
- ♦ Mojave Weed Management Group
- ♦ University of California, Riverside—Cooperative Extension
- ♦ Victor Valley Wastewater Reclamation Authority

AWAC's Goals

- ♦ Goal 1—Educate the local communities with the understanding of the importance of water conservation.
- ♦ Goal 2—Provide the local communities with the tools to effectively reduce per capita consumption to targeted goals.
- ♦ Goal 3—Reduce regional water use by 10% gross per capita by 2010 and 15% by 2015 (5% in Morongo Basin) to achieve a sustainable, reliable supply to meet regional water demands.

What's In the Works?

- ◆ Monthly “Conservation” Column in Local press
- ◆ Plant of the Month Column
- ◆ Victor Valley Association of Realtors Partnership (& Barstow Association of Realtors & Desert Communities Association of Realtors)
- ◆ Marketing Plan
- ◆ **Building Industry Association**

Finally, the Board has request a look beyond 2020...

TAC RECOMMENDATIONS

- ◆ Do now
 - **Bank unused SWP supply**
 - **Pursue aggressive demand management**
 - **(more aggressive water conservation)**
- ◆ Look for opportunities over next decade
 - **Long- and short-term transfers and exchanges**
- ◆ 10-20 years
 - **Conservation and desalination credits**



Its clear, the
stakes are
high but....

By working
together we
can meet the
challenges
ahead



Questions...?